

	Unit	Quantity	Rate	Amount
<p><u>BILL NO. 1</u> <u>ALTERATIONS</u></p>				
<p><u>SUPPLEMENTARY PREAMBLES</u></p>				
<p><u>View site</u></p>				
<p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p>				
<p><u>General</u></p>				
<p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p>				
<p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p>				
<p>Doors, fanlights, fittings, frames, linings, etc. which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc., and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p>				
<p>Prices for taking out of doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc.</p>				
<p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing</p>				
<p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc., shall be levelled and prepared for raising of brickwork</p>				
<p style="text-align: right;">Carried to Collection</p>			R	
<p>Bill No. 1 Alterations</p>				

	Unit	Quantity	Rate	Amount
11 Vitreous china WC pan with cistern	No	4		
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
<u>Preparatory work</u>				
12 Hacking faces of existing painted wall and apply two coats of 'Sika' or other approved bonding agent and cementious slurry to receive wall tiles (Wall tiles elsewhere measured)	m ²	24		
13 Hacking faces of existing floors and apply two coats of 'Sika' or other approved bonding agent and cementious slurry to receive floor tiles (Floor tiles elsewhere measured)	m ²	402		
14 Making good defects in existing screeded floors with 'Sika' or other approved structural grout	m ²	16		
15 Making good defects in existing screeded floors with 30mm new cementious screed including hacking out old screeds and preparing existing surafces to receive new screeds	m ²	33		
<u>MAKING GOOD OF FINISHES, ETC</u>				
<u>Making good untinted granolithic</u>				
16 25mm Thick on floors in patches	m ²	36		
<u>Making good internal cement plaster</u>				
17 Walls in patches	m ²	64		
<u>Mechanically pressure clean existing surfaces and seal with "Dulux" or other approved sealer (Sealer elsewhere measured)</u>				
18 Walls	m ²	255		
Carried to Collection			R	

Amount

BILL NO. 1
ALTERATIONS
COLLECTION

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- 1
- 2
- 3

Carried to Summary

R

	Unit	Quantity	Rate	Amount
<u>BILL NO. 2</u>				
<u>EARTHWORKS</u>				
<u>EXCAVATION ETC</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
1	Reduced levels	m ³	29	
2	Pile Caps	m ³	3	
3	Ground Beams	m ³	7	
<u>Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 98% Mod AASHTO density</u>				
4	Not exceeding 500mm deep for placing and removing formwork to walls etc., 300mm away from excavated face	m ²	10	
<u>Extra over all excavations for carting away</u>				
5	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	29	
<u>Risk of collapse of excavations</u>				
6	Sides of bulk excavations not exceeding 1,5m deep	m ²	28	
<u>Keeping excavations free of water</u>				
7	Keeping excavations free of all water other than subterranean water	Item		
<u>FILLING ETC OTHER THAN BULK</u>				
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
8	Backfilling to trenches, holes, etc.	m ³	6	
			Carried to Summary	R

	Unit	Quantity	Rate	Amount
<u>BILL NO. 3</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>				
<u>20MPa/19mm concrete</u>				
1	m ³	14		
V-drains cast in panels				
<u>25MPa/19mm concrete</u>				
2	m ³	2		
Bases				
3	m ³	3		
Pile Caps				
4	m ³	7		
Ground Beams				
<u>TEST CUBES</u>				
<u>Test cubes</u>				
5	No	3		
Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)				
<u>CONCRETE SUNDRIES</u>				
<u>Stripping back heads of concrete piles for a height not exceeding 1000mm to expose reinforcement including trimming to defined levels and bending reinforcement as necessary for casting into pile caps</u>				
6	No	4		
350mm Diameter pile				
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
7	m ²	93		
V-drains to falls and currents				
8	m ²	6		
Water tank base				
<u>Carefully saw-cut grooves into existing concrete surfaces with and including preparing and cleaning surfaces to receive new joint sealants (new joint sealants elsewhere measured)</u>				
9	m	47		
6 x 25mm Deep saw-cut joints				
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>Rough formwork to sides</u>				
10	m	103		
Edges, risers, ends and reveals not exceeding 300mm high or wide				
<u>Boxing in rough formwork to form</u>				
11	m	103		
25 x 25mm Chamfers along top or bottom edges				
			R	
Carried to Collection				
Bill No. 3				
Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
<u>MOVEMENT JOINTS ETC</u>				
<u>Expansion joints with 13mm softboard between vertical concrete and brick surfaces</u>				
12	m	93		
<u>REINFORCEMENT</u>				
<u>Fabric reinforcement</u>				
13	m ²	93		
14	m ²	6		
<u>REINFORCEMENT (CPAP WORK GROUP NO. 114)</u>				
<u>Mild steel reinforcement to structural concrete work</u>				
15	Tonnes	1.20		
Carried to Collection				R

Amount

BILL NO. 3
CONCRETE, FORMWORK AND REINFORCEMENT
COLLECTION

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Carried to Summary

R

	Unit	Quantity	Rate	Amount
<u>BILL NO. 7</u>				
<u>CEILING PARTITIONS AND ACCESS FLOORING</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as 'bolted', the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>Steel components</u>				
All steel components for ceilings, partitions, etc. are to be galvanised in accordance with SANS 121				
<u>SUSPENDED CEILINGS</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary suspended ceilings</u>				
User Note - The following preamble to be included in the bills of quantities after confirmation of the basic design of the ceilings, lighting, air conditioning, etc.				
Hangers, suspension grids, lay-in panels, etc. are to be in accordance with the manufacturers' recommendations				
Electrical light fittings, diffusers, panels etc. are generally lay-in units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)				
<u>600 x 1200 x 15mm 'Owa Acoustic' or other approved pre-painted acoustic panels on exposed suspension grid system including hangers, necessary hold-down clips and wedges, etc.</u>				
1		Ceilings suspended not exceeding 1m below timber truss	m ²	240
2		Extra over ceiling for opening for 600 x 1200mm light fitting	No	26
Carried to Collection			R	
Bill No. 7				
Ceilings Partitions And Access Flooring				

Amount

BILL NO. 7

CEILINGS PARTITIONS AND ACCESS FLOORING

COLLECTION

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Carried to Summary

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	Unit	Quantity	Rate	Amount
<u>BILL NO. 8</u>				
<u>IRONMONGERY</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items</u>				
Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items. Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc. clarifying the features of the products/articles offered. On request returnable samples are to be provided to the principal agent for consideration.				
<u>Finishes to ironmongery</u>				
Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded				
<u>HINGES, BOLTS, ETC.</u>				
<u>Manufactured by Union or other approved</u>				
1	No	57		
2	No	6		
<u>CATCHES, CABIN HOOKS, ETC.</u>				
<u>Manufactured by Union or other approved</u>				
3	No	2		
<u>LOCKS</u>				
<u>Manufactured by Union or other approved</u>				
4	No	17		
5	No	1		
			Carried to Collection	R
Bill No. 8				
Ironmongery				

Amount

BILL NO. 8
IRONMONGERY
COLLECTION

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Carried to Summary

R

	Unit	Quantity	Rate	Amount
<u>BILL NO. 9</u>				
<u>TILING</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Unless described as 'fixed with adhesive to plaster (plaster elsewhere)' descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding				
Tiling described as 'fixed with adhesive on power floated concrete' shall be deemed to include for approved tiling key-coat ²				
Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the Tal Professional range of products as recommended by the manufacturer of the tiles				
<u>WALL TILING</u>				
<u>'Johnson' or approved 200 x 200 x 5mm White matt ceramic tiles on brickwork including cement plaster backing</u>				
1	m ²	24		
2	m ²	2		
3	No	2		
4	No	4		
<u>FLOOR TILING</u>				
<u>'Johnson' or other approved 300 x 300 x 8mm 'Salt & Pepper' hard bodied porcelain ceramic floor tiles on 'Goldstar 6' bedding on concrete and flush pointed with tinted grout</u>				
5	m ²	402		
<u>SUNDRIES</u>				
<u>M-trim or other approved protectors, stair nosings, expansion joint strips, etc.</u>				
6	m	6		
			Carried to Summary	R
Bill No. 9				
Tiling				

	Unit	Quantity	Rate	Amount
<p><u>BILL NO. 10</u> <u>PLUMBING AND DRAINAGE</u></p>				
<p><u>SUPPLEMENTARY PREAMBLES</u></p>				
<p><u>Stormwater channels</u></p>				
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc., and disposal of surplus material on site</p>				
<p><u>Sealing of edges</u></p>				
<p>Outer edges of sinks, basins, baths, urinals, etc. are to be sealed against adjacent surfaces with approved silicone</p>				
<p><u>uPVC pipes and fittings</u></p>				
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>				
<p><u>High density polyethylene (HDPe) pipes and fittings</u></p>				
<p>Pipes shall be type IV and of the class specified with Plasson or Alprene compression fittings</p>				
<p><u>Polycop polypropylene pipes</u></p>				
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with Fast-fuse heat welded thermoplastic or where so described Polylock compression fittings Pipes shall be firmly fixed to walls, etc. with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>				
<p><u>Copper pipes</u></p>				
<p>Pipes shall be hard drawn and half-hard Maksal pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be Cobra Watertech type. Capillary solder fittings shall comply with ISO 2016</p>				
<p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc. to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition</p>				
<p>Carried to Collection</p>			R	
<p>Bill No. 10 Plumbing And Drainage</p>				

	Unit	Quantity	Rate	Amount
<p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as 'reducing' and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained</p>				
<p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc., casting in, building in or suspending not exceeding 1m below suspension level</p>				
<p><u>Paper wrapping to pipes</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p>				
<p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)</p>				
<p><u>Densyl petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.</u></p> <p>Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with 10% overlaps Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including mastic, tape, Layflat sheeting, securing of same, etc.</p> <p>Prices for wrapping of pipes shall include for all work as described to couplings in the length</p>				
<p><u>Laying, backfilling, bedding, etc. of pipes</u></p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200LD : Sewers SABS 1200LE : Stormwater drainage Pipe trenches, etc. shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes) Unless otherwise described bedding of rigid pipes shall be Class B bedding</p>				
			Carried to Collection	R
<p>Bill No. 10 Plumbing And Drainage</p>				

	Unit	Quantity	Rate	Amount
<u>WATER SUPPLIES</u>				
<u>Class 16 uPVC pressure pipes with solvent welded joints</u>				
24				
32mm Pipes laid in and including trenches not exceeding 1m deep	m	51		
<u>Extra over Class 16 uPVC pressure pipes for fittings with solvent welded joints</u>				
25	No	13		
32mm Bend				
26	No	2		
32mm Reducer				
<u>Class 0 copper pipes with capillary couplings</u>				
User Note - Class 1 copper pipes are recommended for high quality installations				
27	m	45		
15mm Pipes				
<u>Class 0 copper pipes with brass compression couplings</u>				
28	m	22		
22mm Pipes				
<u>Extra over Class 0 copper pipes for capillary fittings</u>				
29	No	34		
15mm Fittings				
<u>Extra over Class 0 copper pipes for brass compression fittings</u>				
30	No	12		
15mm Fittings				
<u>Testing</u>				
31	Item			
Testing water pipe system				
<u>FIRE APPLIANCES ETC</u>				
<u>Hose reels, etc.</u>				
32	No	6		
9Kg Dry chemical powder fire extinguisher				
<u>BUDGETARY ALLOWANCE</u>				
<u>Work for which budgetary allowances are provided for will be re-measured and valued by the Project Manager. If the sum is not utilised in part or whole, the Project Manager will deduct such an amount in part or in whole</u>				
33	Item			
Allow a sum of R50,000.00 (Fifty Thousand Rand) for a water storage tank complete with balancing valve, ball valve, tap, etc.				
			R	
Carried to Collection				
Bill No. 10 Plumbing And Drainage				

Amount

BILL NO. 10
PLUMBING AND DRAINAGE
COLLECTION

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R

	Unit	Quantity	Rate	Amount
<u>BILL NO. 13</u>				
<u>PAINTWORK</u>				
<u>PREPARATORY WORK TO EXISTING WORK</u>				
<u>Previously painted plastered surfaces</u>				
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth				
<u>Previously painted metal surfaces</u>				
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal				
<u>Previously painted wood surfaces</u>				
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth				
<u>PAINT SPECIFICATIONS</u>				
<u>Painting, etc.</u>				
All painting shall be done in accordance with Dulux or other approved specifications unless otherwise described				
<u>ON METAL SURFACES</u>				
<u>One coat water based primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on galvanised steel</u>				
1	m ²	77		
<u>One coat modified alkyd aluminium primer and two coats extremely durable UV-resistant washable pure acrylic paint, on</u>				
2	m ²	402		
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
<u>One coat primer, one coat alkyd based universal undercoat and two 'Dulux Polvin' paint, on work in sound condition</u>				
3	m ²	446		
			Carried to Collection	R
Bill No. 13				
Paintwork				

	Unit	Quantity	Rate	Amount
<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
<u>One coat oil based primer and one 'Dulux Rainshield' paint, on work in sound condition</u>				
4	Walls	m ²	446	
<u>One coat alkyd based universal undercoat and two 'Dulux Wall Guard' paint, on work in sound condition</u>				
5	Walls	m ²	280	
<u>ON FIBRE-CEMENT BOARD SURFACES</u>				
<u>Two coats extremely durable UV-resistant washable pure acrylic paint, on work in poor condition</u>				
6	Fascias and barge boards	m ²	50	
7	On eaves closures	m ²	68	
<u>One coat superior undercoat and three coats superior quality matt oil based paint on work in poor condition</u>				
8	Doors	m ²	71	
9	Door frames etc.	m ²	33	
Carried to Collection			R	

Amount

BILL NO. 13
PAINTWORK
COLLECTION

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Carried to Summary

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Amount

BILL NO. 14
PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES

General

Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances

Prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned Provisional sums are for material and equipment supplied and installed complete by firms of specialists

PROVISIONAL SUMS FOR NOMINATED/SELECTED SUBCONTRACT WORKS

Signage

1	Provide the sum of R5,000.00 (Five Thousand Rand) for signage	Item	0 00
2	Profit	Item	
3	Attendance	Item	

Flagpost

4	Provide the sum of R7,000.00 (Seven Thousand Rand) for the supply and the installation of flagpost	Item	0 00
5	Profit	Item	
6	Attendance	Item	

Under Pinning

7	Provide the sum of R150,000.00 (One Hundred and Fifty Thousand Rand) for under pinning building foundations, etc.	Item	0 00
8	Profit	Item	
9	Attendance	Item	
10	Provide the sum of R50,000.00 (Fifty Thousand Rand) for structural stitching to walls	Item	0 00
11	Profit	Item	
12	Attendance	Item	
13	Provide the sum of R150,000.00 (One Hundred and Fifty Thousand Rand) for design and installation of structural piles	Item	0 00
14	Profit	Item	

Carried to Collection

R

Bill No. 14
 Provisional Sums

Amount

15 Attendance

Item

Carried to Collection

R

Amount

BILL NO. 14
PROVISIONAL SUMS
COLLECTION

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SubTotal excluding Value Added Tax

ADD VAT @ 15%:

Carried to Tender

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